

Title (en)

AIR FLOW TEMPERATURE AND HUMIDITY SENSOR DEVICE FOR USE IN A MOTOR VEHICLE

Title (de)

LUFTSTROMTEMPERATUR- UND FEUCHTIGKEITSSENSORVORRICHTUNG ZUR VERWENDUNG IN EINEM KRAFTFAHRZEUG

Title (fr)

DISPOSITIF POUR VÉHICULE À MOTEUR DESTINÉ À CAPTER LA TEMPÉRATURE ET L'HUMIDITÉ D'UN FLUX D'AIR

Publication

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Application

EP 12743223 A 20120601

Priority

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- IB 2012052775 W 20120601

Abstract (en)

[origin: WO2012164537A1] The sensor device (1) is intended for insertion into an opening or passage (51) provided in a confining panel (P) of the passenger compartment of a motor vehicle. It comprises: a hollow supporting housing (2) forming an inner region or chamber (7) communicating with the exterior through an inlet opening (8) formed in an end portion (2c) of the housing (2), and a plurality of outlet openings (9) formed in an intermediate portion (2d) of the housing (2), an inner carrying structure (10) including a circuit board (11), which carries a temperature sensor (12) and an associated humidity sensor (13) adjacent to the inlet opening (8); a miniature electric fan (14) adapted to draw a flow of air from the passenger compartment through the opening or passage (50, 51) of the panel (P) and the inlet and outlet openings (8, 9) of the supporting housing (2), and including an impeller (15) located in the proximity of the aforesaid outlet openings (9); and an associated electric driving motor (18) and a multi-pole electrical connector. The end portion (2c) of the supporting housing (2) is provided with one or more resilient formations (21-23) which can be inserted at least partially into the opening or passage (51) in the panel (P), and which, when in use, can limit the transmission of vibrations from the supporting housing (2) to the panel (P).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2012164537A1

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